

AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1           1.       (Original) A method of performing communications in a wireless network,  
2 comprising:  
3               determining if a mobile station is subscribed to a first level of service or a second  
4 level of service;  
5               communicating packet-switched traffic; and  
6               releasing a logical connection between the mobile station and a wireless access  
7 system according to a first procedure if subscribed to the first level of service and according to a  
8 second, different procedure if subscribed to the second level of service.

1           2.       (Currently Amended) The method of claim 1, wherein the determining,  
2 ~~exchanging~~ communicating, and releasing acts are performed by the mobile station.

1           3.       (Original) The method of claim 1, wherein releasing the logical connection  
2 comprises releasing a temporary block flow.

1           4.       (Original) The method of claim 3, wherein releasing the temporary block flow  
2 comprises releasing an uplink temporary block flow.

1           5.       (Currently Amended) The method of claim 3, wherein ~~exchanging~~  
2 communicating the packet-switched traffic comprises carrying the packet-switched traffic in one  
3 or more channels defined by a protocol selected from the group consisting of a General Packet  
4 Radio Service (GPRS) protocol, an Enhanced GPRS protocol, and a Global System for  
5 Mobile/Enhanced Data Rate for Global Evolution Radio Access Network (GERAN) protocol.

1           6.     (Currently Amended) The method of claim 1, further comprising:  
2                 ~~providing a timer; and~~  
3                 if the mobile station is subscribed to the first level of service, starting ~~the timer a~~  
4     timer in the mobile station after detecting there is no further data to send,  
5                 wherein releasing the logical connection is performed after expiration of the  
6     timer.

1           7.     (Original) The method of claim 6, wherein if the mobile station is subscribed to  
2     the second level of service, the logical connection is released in response to detecting there is no  
3     further data to send without use of the timer.

1           8.     (Original) The method of claim 7, wherein detecting there is no further data to  
2     send is performed by detecting if a send buffer is empty or is about to become empty.

1           9.     (Original) A system for providing communications in a wireless network,  
2     comprising:  
3                 a controller operable to determine if a mobile station is subscribed to a first level  
4     of service or a second level of service; and wherein  
5                 the controller operable to further determine when data transmission to the mobile  
6     station is about to end, the controller adapted to generate filler data for sending to the mobile  
7     station if the mobile station is subscribed to the first level of service to enable a wireless  
8     connection to the mobile station to be maintained.

1           10.    (Original) The system of claim 9, wherein the controller is adapted to not  
2     generate filler data for sending to the mobile station if the mobile station is subscribed to the  
3     second level of service.

1           11.    (Original) The system of claim 9, further comprising a timer to define a time  
2     period during which the filler data is generated.

1           12.   (Original) The system of claim 11, wherein the controller is adapted to stop  
2   sending the filler data after the timer expires.

1           13.   (Original) The system of claim 9, wherein the controller comprises a serving  
2   General Packet Radio Service support node control module.

1           14.   (Original) The system of claim 9, wherein the controller is adapted to determine  
2   end of data transmission by determining if a send buffer in a wireless access system is empty or  
3   about to be empty.

1           15.   (Original) The system of claim 14, further comprising a storage module to store  
2   information pertaining to one or more characteristics of the send buffer,  
3                the controller adapted to determine if the send buffer is empty or about to be  
4   empty based on the one or more characteristics.

1           16.   (Original) The system of claim 15, wherein the one or more characteristics  
2   comprise one or more of a size of the send buffer and a leaky rate of the send buffer.

1           17.   (Original) The system of claim 9, wherein the wireless connection comprises a  
2   temporary block flow.

1           18.   (Currently Amended) An article comprising at least a storage medium containing  
2   instructions that when executed cause a core network system to:  
3                send packet-switched data from the core network system to a wireless access  
4   system for communicating to a mobile station;  
5                determine by the core network system if a send buffer in the wireless access  
6   system to store the data is about to become empty; and  
7                if the send buffer is about to become empty, send, by the core network system,  
8   filler data to the wireless access system to maintain a connection between the wireless access  
9   system and the mobile station.

1           19.   (Currently Amended) The article of claim 18, wherein the instructions when  
2   executed cause the core network system to send filler data to maintain a temporary block flow.

1           20.   (Currently Amended) The article of claim 18, wherein the instructions when  
2   executed cause the core network system to further start a timer to provide a time period during  
3   which the filler data is to be sent from the core network system to the wireless access system.

1           21.   (Currently Amended) The article of claim 18, wherein the instructions when  
2   executed cause the core network system to further determine if the mobile station is subscribed  
3   to a first service level and to send the filler data in response to determining the mobile station is  
4   subscribed to the first service level.

1           22.   (Currently Amended) A mobile station, comprising:  
2                an interface block to a wireless link to a wireless access system;  
3                a controller adapted to determine if the mobile station is subscribed to a first level  
4   of service or a second level or service,  
5                the controller being adapted to release a ~~logical connection~~ temporary block flow  
6   on the wireless link according to a first procedure if subscribed to the first level of service and  
7   according to a second, different procedure if subscribed to the second level of service.

1           23.   (Currently Amended) The mobile station of claim 22, wherein the ~~logical~~  
2   ~~connection~~ temporary block flow is defined by a packet-switched wireless protocol selected from  
3   the group consisting of a General Packet Radio Service protocol, an Enhanced General Packet  
4   Radio Service protocol, and a Global System for Mobile/Enhanced Data Rate for Global  
5   Evolution Radio Access Network protocol.

1           24.   (New) The article of claim 18, wherein the core network system is a serving  
2   GPRS support node (SGSN).